ALEXANDRIA TOWNSHIP COMMITTEE MEETING
MINUTES
February 10, 2021

Members of the public who wish to participate in the meeting may do so by calling 1-978-990-5000 followed by meeting number Access Code: 333891 at 7:35 PM.

Individuals calling into this number will be able to fully participate in the meeting, including providing public comment. *A non-public dial in number will be used if executive session is required.*

In accordance with the Open Public Meetings Act, N.J.S.A. 10:4-6 et seq., and in consideration of Executive Order No. 103, issued by Governor Murphy on March 9, 2020, declaring a State of Emergency and a Public Health Emergency in the State of New Jersey, the Township of Alexandria does hereby notify the public that to protect the health, safety and welfare of our citizens while ensuring the continued functioning of government, the meeting of the Mayor and Committee will be held telephonically only. Notice of this meeting was published in the Democrat on January 7th. Notice was posted on the Municipal Office Front Doors and the Township website.

Meeting Called to order at 7:46 PM.

ROLL CALL:
PRESENT: Mayor Plumer, Committeeman Pfefferle, Committeeman Kiernan, Twp. Atty. Dragan
ABSENT: None

FLAG SALUTE:
Mayor Plumer led the flag salute

OLD BUSINESS:

- Ordinance 2021-1 An Ordinance Appropriating $270,000.00 for a Roof Replacement of the Alexandria Township Park Barn in the Township of Alexandria, County of Hunterdon, State of New Jersey ***-2nd Reading***

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to open public comment for Ordinance 2021-1.
Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

Township Resident Curtis Schick, 83 Schick Road voiced his objection to the park barn roof being replaced. Mr. Schick noted that additional inspections should have been done to the building and that the park barn roof replacement is a waste of taxpayer dollars being used towards people who use the park barn that don't live in the Township. Mr. Schick would like the Township Committee to table the ordinance as the Alexandria Equestrian Association was supposed to pay $100,000.00 towards the barn roof and that the Township should have someone examine the trusses. Mr. Schick noted that even though the Township Committee would probably be moving forward with the park barn roof that the roof should be a metal roof so it last longer. Township Clerk/Administrator Bobrowski advised of the following that has been obtained to fund the park barn roof project:
Alexandria Equestrian Association Donation- $50,000.00
County Grant- $120,000.00
Township- $100,000.00 *(that was earmarked for the park barn roof several years ago)*

Township Resident Judy Tucker, Airport Road asked who the contractor will be and the warranty for the roof. Township Clerk/Administrator Bobrowski advised that the builder has been hired through the ESCNJ Co-op and that the builder is Tremco Roofing and Building Maintenance t/a Weatherproofing Technologies. The roof will be protected under a 30-year warranty.

Township Resident Wayne Mascillo, 5 Stone Mill Drive noted that a metal roof would be a better investment.

Comm. Kiernan had no comments.

Comm. Pfefferle noted that the cost of a metal roof would be significantly higher, and the shingle roof is feasible. The Township did have a Structural Engineer go over the building and the Structural Engineer deemed the building structural sound.

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to close public comment for Ordinance 2021-1.

Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

Comm. Pfefferle made a motion, seconded by Comm. Kiernan to adopt Ordinance 2021-1.
Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

TOWNSHIP OF ALEXANDRIA
COUNTY OF HUNTERDON
ORDINANCE NO. 2021- 1

AN ORDINANCE APPROPRIATING $270,000.00 FOR A ROOF REPLACEMENT OF THE ALEXANDRIA TOWNSHIP PARK BARN IN THE TOWNSHIP OF ALEXANDRIA, COUNTY OF HUNTERDON, STATE OF NEW JERSEY

BE IT ORDAINED, by the Township Committee of the Township of Alexandria, in the County of Hunterdon, State of New Jersey, as follows:

SECTION ONE: The improvements described in Section 2 of this ordinance are hereby authorized as a general improvement to be made by the Township of Alexandria. For the said improvement described in Section 2, there is hereby appropriated the sum of $270,000.00, said sum being inclusive of all appropriations heretofore made, therefore.

SECTION TWO: The sum of $120,000.00 is hereby appropriated from the County of Hunterdon Parks & Open Space Trust Fund, $100,000.00 from the Township of Alexandria Open Space Trust Fund, and $50,000.00 from the A.E.A. for a total appropriation of $270,000.00 for a roof replacement of the Alexandria Township Park Barn.
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SECTION THREE: There is no debt authorization for this improvement or purpose

SECTION FOUR: The Capital Budget of the Township of Alexandria is hereby amended to conform with the provisions of this Ordinance.

BE IT FURTHER ORDAINED that this Ordinance shall take effect immediately upon its publication, following final adoption, as provided by law.

- Ordinance 2021-2 Amending Article XXIII of Chapter 115 of the Land Use Ordinance of the Township of Alexandria, County of Hunterdon and State of New Jersey Pertaining to Stormwater Management-***2nd Reading***

Comm. Pfefferle made a motion, seconded by Comm. Kiernan to open public comment for Ordinance 2021-2.

Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

As there were no public comments, Comm. Pfefferle made a motion, seconded by Comm. Kiernan to close public comment for Ordinance 2021-2.

Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to adopt Ordinance 2021-2.

Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

AN ORDINANCE AMENDING ARTICLE XXIII OF CHAPTER 115 OF THE LAND USE ORDINANCE OF THE TOWNSHIP OF ALEXANDRIA, COUNTY OF HUNTERDON AND STATE OF NEW JERSEY PERTAINING TO STORMWATER MANAGEMENT
ORDINANCE 2021-02

WHEREAS, the State of New Jersey amended its Stormwater Management Rules found at at N.J.A.C. 7:8, et seq. on March 2, 2020; and

WHEREAS, the municipalities in the State of New Jersey are required to amend their Stormwater Control Ordinances to align with the updated Stormwater Management Rules at N.J.A.C. 7:8, et seq. on or before March 2, 2021; and

WHEREAS, the Township of Alexandria's Stormwater Management ordinance, as contained in Article XXIII, Chapter 115 of the Township's Land Use portion of the Code of Alexandria Township, must be amended to conform to the State's amended rules;

NOW THEREFORE BE IT ORDAINED by the Township Committee of the Township of Alexandria, County of Hunterdon and State of New Jersey, that Article XXIII of Chapter 115 (Land Use) of the Code of the Township of Alexandria entitled "Stormwater Management" is hereby amended as follows:

SECTION 1. Article XXIII, Sections 115-159 through 171 are hereby repealed in their entirety and shall be replaced with the following:

ARTICLE XXIII- Stormwater Management

Section 115-159. Scope and Purpose

A. Policy Statement

Flood control, groundwater recharge, and pollutant reduction shall be achieved through the use of stormwater management measures, including green infrastructure Best Management Practices (GI BMPs) and nonstructural stormwater management strategies. GI BMPs and low impact development (LID) should be utilized to meet the goal of maintaining natural hydrology to reduce stormwater runoff volume, reduce erosion, encourage infiltration and groundwater recharge, and reduce pollution. GI BMPs and LID should be developed based upon physical site conditions and the origin, nature and the anticipated quantity, or amount, of potential pollutants. Multiple stormwater management BMPs may be necessary to achieve the established performance standards for water quality, quantity and groundwater recharge. The purpose of this ordinance is to establish minimum stormwater management requirements and controls for "major development", as defined below and to help accomplish the following:

1. Reduce artificially induced flood damage to public health, life and property;
2. Minimize increased stormwater runoff rates and volumes;
3. Minimize the deterioration of existing structures that would result from increased rates of stormwater runoff;
4. Induce water recharge into the ground wherever suitable infiltration, soil permeability and favorable geological conditions exist;
5. Prevent an increase in non-point source pollution;
6. Maintain the integrity and stability of stream channels and buffers for their ecological functions, as well as for drainage, the conveyance of floodwater, and other purposes;
7. Control and minimize soil erosion and the transport of sediment;
8. Minimize public safety hazards at any stormwater detention facility constructed pursuant to subdivision or site plan approval;
9. Maintain adequate baseflow and natural flow regimes in all streams and other surface water bodies to protect the aquatic ecosystem;

10. Protect all surface water resources from degradation; and
11. Protect groundwater resources from degradation and dimunition.

B. Applicability

1. This ordinance shall be applicable to the following major developments:
a. Non-residential major developments; and
b. Aspects of residential major developments that are not pre-empted by the Residential Site Improvement Standards at N.J.A.C. 5:21.

2. This ordinance shall also be applicable to all major developments undertaken by the Township of Alexandria and other governmental entities.

C. Compatibility with Other Permit and Ordinance Requirements

Development approvals issued pursuant to this ordinance are to be considered an integral part of development approvals and do not relieve the applicant of the responsibility to secure required permits or approvals for activities regulated by any other applicable code, rule, act, or ordinance. In their interpretation and application, the provisions of this ordinance shall be held to be the minimum requirements for the promotion of the public health, safety, and general welfare.

This ordinance is not intended to interfere with, abrogate, or annul any other ordinances, rule or regulation, statute, or other provision of law except that, where any provision of this ordinance imposes restrictions different from those imposed by any other ordinance, rule or regulation, or other provision of law, the more restrictive provisions or higher standards shall control.

Section 115-160: Definitions

For the purpose of this ordinance, the following terms, phrases, words and their derivations shall have the meanings stated herein unless their use in the text of this Chapter clearly demonstrates a different meaning. When not inconsistent with the context, words used in the present tense include the future, words used in the plural number include the singular number, and words used in the singular number include the plural number. The word "shall" is always mandatory and not merely directory. The definitions below are the same as or based on the corresponding definitions in the Stormwater Management Rules at N.J.A.C. 7:8-1.2.

"Community basin" means an infiltration system, sand filter designed to infiltrate, standard constructed wetland, or wet pond, established in accordance with N.J.A.C. 7:8-4.2(c) 14, that is designed and constructed in accordance with the New Jersey Stormwater Best Management Practices Manual, or an alternate design, approved in accordance with N.J.A.C. 7:8-5.2(g), for an infiltration system, sand filter designed to infiltrate, standard constructed wetland, or wet pond and that complies with the requirements of this chapter.

"Compaction" means the increase in soil bulk density.

"Contributory drainage area" means the area from which stormwater runoff drains to a stormwater management measure, not including the area of the stormwater management measure itself.

"Core" means a pedestrian -oriented area of commercial and civic uses serving the surrounding municipality, generally including housing and access to public transportation.

"County review agency" means an agency designated by the Board of County Commissioners to review municipal stormwater management plans and implementing ordinance(s). The county review agency may either be:

1. A county planning agency; or
2. A county water resource association created under N.J.S.A. 58:16A-55.5, if the ordinance or resolution delegates authority to approve, conditionally approve, or disapprove municipal stormwater management plans and implementing ordinances.

"Department" means the Department of Environmental Protection.

"Designated Center" means a State Development and Redevelopment Plan Center as designated by the State Planning Commission such as urban, regional, town, village, or hamlet.

"Design engineer" means a person professionally qualified and duly licensed in New Jersey to perform engineering services that may include, but not necessarily be limited to, development of project requirements, creation and development of project design and preparation of drawings and specifications.

"Development" means the division of a parcel of land into two or more parcels, the construction, reconstruction, conversion, structural alteration, relocation or enlarge-enlargement of any building or structure, any mining excavation or landfill, and any use or change in the use of any building or other structure, or land or extension of use of land, for which permission is required under the Municipal Land Use Law, N.J.S.A. 40:55D-1 *et seq.*

In the case of development of agricultural land, development means: Development any activity that requires a State permit, any activity reviewed by the County Agricultural Board (CADB) and the State Agricultural Development Committee (SADC), and municipal review of any activity not exempted by the Right to Farm Act, N.J.S.A 4:1C-1 et seq.

"Disturbance" means the placement or reconstruction of impervious surface or motor vehicle surface, or exposure and/or movement of soil or bedrock or clearing, cutting, or removing of vegetation. Milling and repaving is not considered disturbance for the purposes of this definition.

"Drainage area" means a geographic area within which stormwater, sediments, or dissolved material drain to a particular receiving waterbody or to a particular point along a receiving waterbody.

"Environmentally constrained area" means the following areas where the physical alteration of the land is in some way restricted, either through regulation, easement, deed restriction or ownership such as: wetlands, floodplains, threatened and endangered species sites or designated habitats, and parks and preserves. Habitats of endangered or threatened species are identified using the Department's Landscape Project as approved by the Department's Endangered and Nongame Species Program.

"Environmentally critical area" means an area or feature which is of significant environmental value, including but not limited to: stream corridors, natural heritage priority sites, habitats of endangered or threatened species, large areas of contiguous open space or upland forest, steep slopes, and well head protection and groundwater recharge areas. Habitats of endangered or threatened species are identified using the Department's Landscape Project as approved by the Department's Endangered and Nongame Species Program.

"Erosion" means the detachment and movement of soil or rock fragments by water, wind, ice, or gravity.

"Green infrastructure" means a stormwater management measure that manages stormwater close to its source by:

1. Treating stormwater runoff through infiltration into subsoil;
2. Treating stormwater runoff through filtration by vegetation or soil; or
3. Storing stormwater runoff for reuse.

"HUC 14" or "hydrologic unit code 14" means an area within which water drains to a particular receiving surface water body, also known as a subwatershed, which is identified by a 14-digit

hydrologic unit boundary designation, delineated within New Jersey by the United States Geological Survey.

"Impervious surface" means a surface that has been covered with a layer of material so that it is highly resistant to infiltration by water. All buildings, parking areas, driveways, roads, sidewalks and areas in concrete, asphalt and packed stone shall be considered impervious surfaces within this definition. In addition, other areas determined by the Municipal Engineer to be impervious within the meaning of this definition shall also be deemed an impervious surface.

"Infiltration" is the process by which water seeps into the soil from precipitation.

"Lead planning agency" means one or more public entities having stormwater management planning authority designated by the regional stormwater management planning committee pursuant to N.J.A.C. 7:8-3.2, that serves as the primary representative of the committee.

"Major development" means an individual "development," as well as multiple developments that individually or collectively result in:

1. The disturbance of one or more acres of land since February 2, 2004;
2. The creation of one-quarter acre or more of "regulated impervious surface" since February 2, 2004;
3. The creation of one-quarter acre or more of "regulated motor vehicle surface" since March 2, 2021 or the effective date of this Ordinance, whichever is earlier; or
4. A combination of 2 and 3 above that totals an area of one-quarter acre or more. The same surface shall not be counted twice when determining if the combination area equals one-quarter acre or more.

Major development includes all developments that are part of a common plan of development or sale (for example, phased residential development) that collectively or individually meet any one or more of paragraphs 1, 2, 3, or 4 above. Projects undertaken by any government agency that otherwise meet the definition of "major development" but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., are also considered "major development."

"Motor vehicle" means land vehicles propelled other than by muscular power, such as automobiles, motorcycles, autocycles, and low speed vehicles. For the purposes of this definition, motor vehicle does not include farm equipment, snowmobiles, all-terrain vehicles, motorized wheelchairs, go-carts, gas buggies, golf carts, ski-slope, grooming machines, or vehicles that run only on rails or tracks.

"Motor vehicle surface" means any pervious or impervious surface that is intended to be used by "motor vehicles" and/or aircraft, and is directly exposed to precipitation including, but not limited to, driveways, parking areas, parking garages, roads, race tracks, and runways.

"Municipality" means any city, borough, town, township, or village and, for the purposes of this ordinance the Township of Alexandria.

"New Jersey Stormwater Best Management Practices (BMP) Manual" or "BMP Manual" means the manual maintained by the Department providing, in part, design specifications, removal rates, calculation methods, and soil testing procedures approved by the Department as being capable of contributing to the achievement of the stormwater management standards specified in this chapter. The BMP Manual is periodically amended by the Department as necessary to provide design specifications on additional best management practices and new information on already included practices reflecting the best available current information regarding the particular practice and the Department's determination as to the ability of that best management practice to contribute to compliance with the standards contained in this chapter. Alternative stormwater management measures, removal rates, or calculation methods may be utilized, subject to any limitations specified in this chapter, provided the design engineer demonstrates to the municipality, in accordance with Section 115-162F. of this ordinance and N.J.A.C. 7:8-5.2(g), that the proposed measure and its design will contribute to achievement of the design and performance standards established by this chapter.

"Node" means an area designated by the State Planning Commission concentrating facilities and activities which are not organized in a compact form.

"Nutrient" means a chemical element or compound, such as nitrogen or phosphorus, which is essential to and promotes the development of organisms.

"Person" means any individual, corporation, company, partnership, firm, association, political subdivision of this State and any state, interstate or Federal agency.

"Pollutant" means any dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, refuse, oil, grease, sewage sludge, munitions, chemical wastes, biological materials, medical wastes, radioactive substance (except those regulated under the Atomic Energy Act of 1954, as amended (42 U.S.C. ' 2011 *et seq*.)), thermal waste, wrecked or discarded equipment, rock, sand, cellar dirt, industrial, municipal, agricultural, and construction waste or runoff, or other residue discharged directly or indirectly to the land, ground waters or surface waters of the State, or to a domestic treatment works. "Pollutant" includes both hazardous and nonhazardous pollutants.

"Recharge" means the amount of water from precipitation that infiltrates into the ground and is not evapotranspired.

"Regulated impervious surface" means any of the following, alone or in combination:

1. A net increase of impervious surface;
2. The total area of impervious surface collected by a new stormwater conveyance system (for the purpose of this definition, a "new stormwater conveyance system" is a stormwater conveyance system that is constructed where one did not exist immediately prior to its construction or an existing system for which a new discharge location is created);
3. The total area of impervious surface proposed to be newly collected by an existing stormwater conveyance system; and/or
4. The total area of impervious surface collected by an existing stormwater conveyance system where the capacity of that conveyance system is increased.

"Regulated motor vehicle surface" means any of the following, alone or in combination:

1. The total area of motor vehicle surface that is currently receiving water;
2. A net increase in motor vehicle surface; and/or quality treatment either by vegetation or soil, by an existing stormwater management measure, or by treatment at a wastewater treatment plant, where the water quality treatment will be modified or removed.

"Sediment" means solid material, mineral or organic, that is in suspension, is being transported, or has been moved from its site or origin by air, water or gravity as a product of erosion.

"Site" means the lot or lots upon which a major development is to occur or has occurred.

"Soil" means all unconsolidated mineral and organic material of any origin.

"State Plan Policy Map" is defined as the geographic application of the State Development and redevelopment Plan's goals and statewide policies, and the official map of these goals and policies.

"Stormwater" means water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, or is captured by separate storm sewers or other sewage or drainage facilities, or conveyed by snow removal equipment.

"Stormwater management BMP" means an excavation or embankment and related areas designed to retain stormwater runoff. A stormwater management BMP may either be normally dry (that is, a detention basin or infiltration system), retain water in a permanent pool (a

retention basin), or be planted mainly with wetland vegetation (most constructed stormwater wetlands).

"Stormwater management measure" means any practice, technology, process, program, or other method intended to control or reduce stormwater runoff and associated pollutants, or to induce or control the infiltration or groundwater recharge of stormwater or to eliminate illicit or illegal non-stormwater discharges into stormwater conveyances.

"Stormwater runoff" means water flow on the surface of the ground or in storm sewers, resulting from precipitation.

"Stormwater management planning agency" means a public body authorized by legislation to prepare stormwater management plans.

"Stormwater management planning area" means the geographic area for which a stormwater management planning agency is authorized to prepare stormwater management plans, or a specific portion of that area identified in a stormwater management plan prepared by the agency.

"Water control structure" means a structure within, or a adjacent to, a water, which intentionally or coincidentally alters the hydraulic capacity, the flood elevation resulting from the two-, 10-, or 100-year storm, flood hazard area limit, and/or floodway limit of the water. Examples of a water control structure may include a bridge, culvert, dam, embankment, ford (if above grade), retaining wall, and weir.

"Waters of the State" means the ocean and its estuaries, all springs, streams, wetlands, and bodies of surface or groundwater, whether natural or artificial, within the boundaries of the State of New Jersey or subject to its jurisdiction.

"Wetlands" or "wetland" means an area that is inundated or saturated by surface water or ground water at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions, commonly known as hydrophytic vegetation.

Section 115-161: Design and Performance Standards for Stormwater Management Measures

A. Stormwater management measures for major development shall be designed to provide erosion control, groundwater recharge, stormwater runoff quantity control, and stormwater runoff quality treatment as follows:

1. The minimum standards for erosion control are those established under the Soil and Sediment Control Act, N.J.S.A. 4:24-39 et seq., and implementing rules at N.J.A.C. 2:90.
2. The minimum standards for groundwater recharge, stormwater quality, and stormwater runoff quantity shall be met by incorporating green infrastructure.

B. The standards in this ordinance apply only to new major development and are intended to minimize the impact of stormwater runoff on water quality and water quantity in receiving water bodies and maintain groundwater recharge. The standards do not apply to new major development to the extent that alternative design and performance standards are applicable under a regional stormwater management plan or Water Quality Management Plan adopted in accordance with Department rules.

Section 115-162: Stormwater Management Requirements for Major Development

A. The development shall incorporate a maintenance plan for the stormwater management measures incorporated into the design of a major development in accordance with Section 115-168.

B. Stormwater management measures shall avoid adverse impacts of concentrated flow on habitat for threatened and endangered species as documented in the department's Landscape Project or Natural Heritage Database established under N.J.S.A. 13:1B-15.147 through 15.150, particularly *Helonias bullata* (swamp pink) and/or *Clemmys muhlnebergi* (bog turtle).

C. The following linear development projects are exempt from the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity requirements of Sections115-162 P, Q and R:

1. The construction of an underground utility line provided that the disturbed areas are revegetated upon completion;

2. The construction of an aboveground utility line provided that the existing conditions are maintained to the maximum extent practicable; and

3. The construction of a public pedestrian access, such as a sidewalk or trial with a maximum width of 14 feet, provided that the access is made of permeable material.

D. A waiver from strict compliance from the green infrastructure, groundwater recharge, stormwater runoff quality, and stormwater runoff quantity requirements of Sections 115-162 O, P, Q and R may be obtained for the enlargement of an existing public roadway or railroad; or the construction or enlargement of a public pedestrian access, provided that the following conditions are met:

1. The applicant demonstrates that there is a public need for the project that cannot be accomplished by any other means;

2. The applicant demonstrates through an alternatives analysis, that through the use of stormwater management measures, the option selected complies with the requirements of Section 115-162 O, P, Q and R to the maximum extent practicable;

3. The applicant demonstrates that, in order to meet the requirements of Section 115-162 O, P, Q and R, existing structures currently in use, such as homes and buildings, would need to be condemned; and

4. The applicant demonstrates that it does not own or have other rights to areas, including the potential to obtain through condemnation lands not falling under Sections 115-162 D.3 above within the upstream drainage area of the receiving stream, that would provide additional opportunities to mitigate the requirements of Sections 115-162 O, P, Q and R that were not achievable onsite.

E. Tables 1 through 3 below summarize the ability of stormwater best management practices identified and described in the New Jersey Stormwater Best Management Practices Manual to satisfy the green infrastructure, groundwater recharge, stormwater runoff quality and stormwater runoff quantity standards specified in Section 115-162 O, P, Q and R. When designed in accordance with the most current version of the New Jersey Stormwater Best Management Practices Manual. the stormwater management measures found at N.J.A. C. 7:8-5.2 (f) Tables 5-1, 5-2 and 5-3 and listed below in Tables 1, 2 and 3 are presumed to be capable of providing stormwater controls for the design and performance standards as outlined in the tables below. Upon amendments of the New Jersey Stormwater Best Management Practices to reflect additions or deletions of BMPs meeting these standards, or changes in the presumed performance of BMPs designed in accordance with the New Jersey Stormwater BMP Manual, the Department shall publish in the New Jersey Registers a notice of administrative change revising the applicable table. The most current version of the BMP Manual can be found on the Department's website at http://njstormwater.org/bmp_manual2.htm.

F. Where the BMP tables in the NJ Stormwater Management Rule are different due to updates or
amendments with the tables in this ordinance the BMP Tables in the Stormwater Management rule at N.J.A.C. 7:8-5.2(f) shall take precedence.

Table 1
Green Infrastructure BMPs for Groundwater Recharge, Stormwater Runoff Quality, and/or Stormwater Runoff Quantity

Best Management Practice	Stormwater Runoff Quality TSS Removal Rate	Stormwater Runoff Quantity	Groundwater Recharge	Minimum Separation from Seasonal High Water Table
Cistern	0	Yes	No	
Dry Well[(a)]	0	No	Yes	2
Grass Swale	50 or less	No	No	2[(e)] 1[(f)]
Green Roof	0	Yes	No	--
Manufactured Treatment Device[(a)(g)]	50 or 80	No	No	Dependent upon the device
Pervious Paving System[(a)]	80	Yes	Yes[(b)] No[(c)]	2[(b)] 1[(c)]
Small-Scale Bioretention Basin[(a)]	80 or 90	Yes	Yes[(b)] No[(c)]	2[(b)] 1[(c)]
Small-Scale	80	Yes	Yes	2
Small-Scale Sand Filter	80	Yes	Yes	2
Vegetative Filter Strip	60-80	NO	No	--

(Notes corresponding to annotations [(a)] through [(g)] are found on the notes below Table 3)

Table 2
Green Infrastructure BMPs for Stormwater Runoff Quantity (or for Groundwater Recharge and/or Stormwater Runoff Quality with a Waiver or Variance from N.J.A.C. 7:8-5.3)

Best Management Practice	Stormwater Runoff Quality TSS Removal Rate (percent)	Stormwater Runoff Quantity	Groundwater Recharge	Minimum Separation from Seasonal High Water Table (feet)
Bioretention System	80 or 90	Yes	Yes[(b)] No[(c)]	2[(b)] 1[(c)]
Infiltration Basin	80	Yes	Yes	2
Sand Filter[(b)]	80	Yes	Yes	2
Standard Constructed Wetland	90	Yes	No	N/A
Wet Pond[(d)]	50-90	Yes	No	N/A

(Notes corresponding to annotations [(b)] through [(d)] are found in the notes below Table 3)

Table 3 BMPs for Groundwater Recharge, Stormwater Runoff Quality, and/or Stormwater Runoff Quantity only with a Waiver or Variance from N.J.A.C. 7:8-5.3)				
Best Management Practice	**Stormwater Runoff Quality TSS Removal Rate**	**Stormwater Runoff Quantity**	**Groundwater Recharge**	**Minimum Separation from Seasonal High Water Table (feet)**
Blue Roof	0	Yes	No	N/A
Extended Detention Basin	40-60	Yes	No	1
Manufactured Treatment Device[(h)]	50 or 80	No	No	Dependent upon the device
Sand Filter[(c)]	80	Yes	No	
Subsurface Gravel	90	No	No	1
Wet Pond	50-90	Yes	No	N/A

Notes to Tables 1, 2, and 3:
a. subject to the applicable contributory drainage area limitation specified at Section 115-162 0(2)
b. designed to infiltrate into the subsoil;
c. designed with underdrains;
d. designed to maintain at least a 10-foot wide area of native vegetation along at least 50 percent of the shoreline and to include a stormwater runoff retention component designed to capture stormwater runoff for beneficial reuse, such as irrigation;
e. designed with a slope of less than two percent;
f. designed with a slope of equal to or greater than two percent;
g. manufactured treatment devices that meet the definition of green infrastructure at Section 115-160;
h. manufactured treatment devices that do not meet the definition of green infrastructure at Section 115-160.

G. An alternative stormwater management measure, alternative removal rate, and/or alternate method to calculate the removal rate may be used if the design engineer

demonstrates the capability of the proposed alternative stormwater management measure and/or the validity of the alternative rate or method to the municipality. A copy of any approved alternative stormwater management measure, alternative removal rate, and/or alternative method to calculate the removal rate shall be provided to the Department in accordance with Section 115-164 B. Alternative stormwater management measures may be used to satisfy the requirements at Section 115-162O only if the measures meet the definition of green infrastructure at Section 115-160. Alternative stormwater management measures that function in a similar manner to a BMP listed at Section 115-162 O.2 are subject to the contributory drainage area limitation specified at Section 115-162 O.2 for that similarly functioning BMP. Alternative stormwater management measures approved in accordance with this subsection that do not function in a similar manner to any BMP listed at Section 115-162 O.2 shall have a contributory drainage area less than or equal to 2.5 acres, except for alternative stormwater management measures that function similarly to cisterns, grass swales, green roofs, standard constructed wetlands, vegetative filter strips, and wet ponds, which are not subject to a contributory drainage area limitation. Alternative measures that function similarly to standard constructed wetlands or wet ponds shall not be used for compliance with the stormwater runoff quality standard unless a variance in accordance with N.J.A.C. 7:8-4.6 or a waiver from strict compliance in accordance with Section 115-162D is granted from Section 115-162O.

H. Whenever the stormwater management design includes one or more BMPs that will infiltrate stormwater into subsoil, the design engineer shall assess the hydraulic impact on the groundwater table and design the site, so as to avoid adverse hydraulic impacts. Potential adverse hydraulic impacts include, but are not limited to, exacerbating a naturally or seasonally high water table, so as to cause surficial ponding, flooding of basements, or interference with the proper operation of subsurface sewage disposal systems or other subsurface structures within the zone of influence of the groundwater mound, or interference with the proper functioning of the stormwater management measure itself.

I. Design standards for stormwater management measures are as follows:

1. Stormwater management measures shall be designed to take into account the existing site conditions, including, but not limited to, environmentally critical areas; wetlands; flood-prone areas; slopes; depth to seasonal high water table; soil type, permeability, and texture; drainage area and drainage patterns; and the presence of solution-prone carbonate rocks (limestone);
2. Stormwater management measures shall be designed to minimize maintenance, facilitate maintenance and repairs, and ensure proper functioning. Trash racks shall be installed at the intake to the outlet structure, as appropriate, and shall have parallel bars with one-inch spacing between the bars to the elevation of the water quality design storm. For elevations high than the water quality design storm, the parallel bars at the outlet structure shall be spaced no greater than one-third the width of the diameter of the orifice or one-third the width of the

weir, with a minimum spacing between bars of one inch and a maximum spacing between bars of six inches. In addition, the design of trash racks must comply with the requirements of Section 115-166C;

3. Stormwater management measures shall be designed, constructed, and installed to be strong, durable, and corrosion resistant. Measures that are consistent with the relevant portions with the Residential Site Improvement Standards at N.J.A.C. 5:21-7.3, 7.4, and 7.5 shall be deemed to meet this requirement;

4. Stormwater management BMPs shall be designed to meet the minimum safety standards for stormwater management BMPs at Section 115-166; and

5. The size of the orifice at the intake to the outlet from the stormwater management BMP shall be minimum of two and one-half inches in diameter.

J. Manufactured treatment devices may be used to meet the requirements of this subchapter, provided the pollutant removal rates are verified by the New Jersey Corporation for Advanced Technology and certified by the Department. Manufactured treatment devices that do not meet the definition of green infrastructure at Section 115-160 may be used only under the circumstances described at Section 115-162 O.4.

K. Any application for a new agricultural development that meets the definition of major development at Section 115-160 shall be submitted to the Soil Conservation District for review and approval in accordance with the requirements at Sections 115-162 O, P, Q and R and any applicable Soil Conservation District guidelines for stormwater runoff quantity and erosion control. For purposes of this subsection, "agricultural development" means land uses normally associated with the production of food, fiber, and livestock for sale. Such uses do not include the development of land for the processing or sale of food and the manufacture of agriculturally related products.

L. If there is more than one drainage area, the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards at Sections 115-162 P, Q and R shall be met in each drainage area, unless the runoff from the drainage areas converge onsite and no adverse environmental impact would occur as a result of compliance with any one or more of the individual standards being determined utilizing a weighted average of the results achieved for that individual standard across the affected drainage areas.

M. Any stormwater management measure authorized under the municipal stormwater management plan or ordinance shall be reflected in a deed notice recorded in the Office of the Hunterdon County Clerk. A form of deed notice shall be submitted to the municipality for approval prior to filing. The deed notice shall contain a description of the stormwater management measure(s) used to meet the green infrastructure, groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards at Sections 115-162 O, P,

Q and R shall identify the location of the stormwater management measure(s) in NAD 1983 State Plane New Jersey FIPS 2900 US Feet or Latitude and Longitude in decimal degrees. The deed notice shall also reference the maintenance plan required to be recorded upon the deed pursuant to Section 115-168B.5. Prior to the commencement of construction, proof that the above required deed notice has been filed shall be submitted to the municipality. Proof that the required information has been recorded on the deed shall be in the form of either a copy of the complete recorded document or a receipt from the clerk or other proof of recordation provided by the recording office. However, if the initial proof provided to the municipality is not a copy of the complete recorded document, a copy of the complete recorded document shall be provided to the municipality within 180 calendar days of the authorization granted by the municipality.

N. A stormwater management measure approved under the municipal stormwater management plan or ordinance may be altered or replaced with the approval of the municipality if the municipality determines that the proposed alteration or replacement meets the design and performance standards pursuant to Section 115-162 of this ordinance and provides the same level of stormwater management as the previously approved stormwater management measure that is being altered or replaced. If an alteration or replacement is approved, a revised deed notice shall be submitted to the municipality for approval and subsequently recorded with the Office of the Hunterdon County Clerk or the registrar of deeds and mortgages, as applies and shall contain a description and location of the stormwater management measure, as well as reference to the maintenance plan, in accordance with Section 115-162M above. Prior to the commencement of construction, proof that the above required deed notice has been field shall be submitted to the municipality in accordance with Section 115-162M above.

O. Green Infrastructure Standards

1. This subsection specifies the types of green infrastructure BMPs that may be used to satisfy the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards.

2. To satisfy the groundwater recharge and stormwater and stormwater runoff quality standards at Sections 115-162P and Q, the design engineer shall utilize green infrastructure BMPs identified in Table 1 at Section 115-162Fand/or an alternative stormwater management measure approved in accordance with Section 115-162G. The following green infrastructure BMPs are subject to the following maximum contributory drainage area limitations:

Best Management Practice	**Maximum Contributory Drainage Area**

Dry Well	1 acre
Manufactured Treatment Device	2.5 acres
Pervious Pavement Systems	Area of additional inflow cannot exceed three times the area occupied by the BMP
Small-scale Bioretention Systems	2.5 acres
Small-scale Infiltration Basin	2.5 acres
Small-scale Sand Filter	2.5 acres

3. To satisfy the stormwater runoff quantity standards at Section 115-162R, the design engineer shall utilize BMPs from Table 1 or from Table 2 and/or an alternative stormwater management measure approved in accordance with Section 115-162G.

4. If a variance in accordance with N.J.A.C. 7:8-4.6 or a waiver from strict compliance in accordance with Section 115-162D is granted from the requirements of this subsection, then BMPs from Table 1, 2, or 3, and/or an alternative stormwater management measure approved in accordance with Section 115-162G may be used to meet the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards at Sections 115-162P, Q and R.

5. For separate or combined storm sewer improvement projects, such as sewer separation, undertaken by a government agency or public utility (for example, a sewerage company), the requirements of this subsection shall only apply to areas owned in fee simple by the government agency or utility, and areas within a right-of-way or easement held or controlled by the government agency or utility; the entity shall not be required to obtain additional property or property rights to fully satisfy the requirements of this subsection. Regardless of the amount of area of a separate or combined storm sewer improvement project subject to the green infrastructure requirements of this subsection, each project shall fully comply with the applicable groundwater recharge, stormwater runoff quality control, and stormwater runoff quantity standards at Sections 115-162P, Q and R, unless the project is granted a waiver from strict compliance in accordance with Section 115-162D.

P. Groundwater Recharge Standards

1. This subsection contains the minimum design and performance standards for groundwater recharge as follows:

2. The design engineer shall, using the assumptions and factors for stormwater runoff and groundwater recharge calculations at Section 115-163, either:

i. Demonstrate through hydrologic and hydraulic analysis that the site and its stormwater management measures maintain 100 percent of the average annual pre-construction

groundwater recharge volume for the site; or
ii. Demonstrate through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the 2-year storm is infiltrated.

3. This groundwater recharge requirement does not apply to projects within the "urban development area," or to projects subject to Section 115-162 P.4 below.

4. The following types of stormwater shall not be recharged:
i. Stormwater from areas of high pollutant loading. High pollutant loading areas are areas in industrial and commercial developments where solvents and/or petroleum products are loaded/unloaded, stored, or applied, area where pesticides are loaded/unloaded or stored; areas where hazardous materials are expected to be present in greater than "reportable quantities" as defined by the United States Environmental Protection Agency (EPA) at 40 CFR 302.4; areas where recharge would be inconsistent with Department approved remedial action work plan or landfill closure plan and areas with high risks for spills of toxic materials, such as gas stations and vehicle maintenance facilities; and
ii. Industrial stormwater exposed to "source material." "Source material" means any material(s) or machinery, located at an industrial facility, that is directly or indirectly related to process, manufacturing or other industrial activities, which could be a source of pollutants in any industrial stormwater discharge to groundwater. Source materials include, but are not limited to, raw materials; intermediate products; final products; waste materials; by-products; industrial machinery and fuels, and lubricants, solvents, and detergents that are related to process, manufacturing, or other industrial activities that are exposed to stormwater.

Q. Stormwater Runoff Quality Standards

1. This subsection contains the minimum design and performance standards to control stormwater runoff quality impacts of major development. Stormwater runoff quality standards are applicable when the major development results in an increase of one-quarter acre or more of regulated motor vehicle surface.
2. Stormwater management measures shall be designed to reduce the post-construction load of total suspended solids (TSS) in stormwater runoff generated from the water quality design storm as follows:

i. Eighty (80%) percent TSS removal of the anticipated load, expressed as an annual average shall be achieved for the stormwater runoff from the net increase of motor vehicle surface.
ii. If the surface is considered regulated motor vehicle surface because the water quality treatment for an area of motor vehicle surface that is currently receiving water quality treatment either by vegetation or soil, by an existing stormwater management measure, or by treatment at a wastewater treatment plant is to be modified or removed, the project shall maintain or increase the existing TSS removal of the anticipated load expressed as an annual

average.

3. The requirement to reduce TSS does not apply to any stormwater runoff in a discharge regulated under a numeric effluent limitation for TSS imposed under the New Jersey Pollutant Discharge Elimination System (NJPDES) rules, N.J.A.C. 7:14A, or in a discharge specifically exempt under a NJPDES permit from this requirement. Every major development, including any that discharge into a combined sewer system, shall comply with 2 above, unless the major development is itself subject to a NJPDES permit with a numeric effluent limitation for TSS or the NJPDES permit to which the major development is subject exempts the development from a numeric effluent limitation for TSS.

4. The water quality design storm is 1.25 inches of rainfall in two hours. Water quality calculations shall take into account the distribution of rain from the water quality design storm, as reflected in Table 4, below. The calculation of the volume of runoff may take into account the implementation of stormwater management measures.

TABLE 4 - Water Quality Design Storm Distribution

Time (Minutes)	Cumulative Rainfall (Inches)	Time (Minutes)	Cumulative Rainfall (Inches)	Time (Minutes)	Cumulative Rainfall (Inches)
1	0.00166	41	0.1728	81	1.0906
2	0.00332	42	0.1796	82	1.0972
3	0.00498	43	0.1864	83	1.1088
4	0.00664	44	0.1932	84	1.1104
5	0.00830	45	0.2000	85	1.1170
6	0.00996	46	0.2117	86	1.1286
7	0.001162	47	0.2233	87	1.1302
8	0.01328	48	0.2350	88	1.1368
9	0.01494	49	0.2466	89	1.1484
10	0.01660	50	0.2583	90	1.1500
11	0.01828	51	0.2783	91	1.1550

12	0.01996	52	0.2983	92	1.1600
13	0.02164	53	0.3183	93	1.1650
14	0.02332	54	0.3383	94	1.1700
15	0.02500	55	0.3583	95	1.1750
16	0.03000	56	0.4116	96	1.1800
17	0.03500	57	0.4650	97	1.1850
18	0.04000	58	0.5183	98	1.1900
19	0.04500	59	0.5717	99	1.1950
20	0.05000	60	0.6250	100	1.2000
21	0.05500	61	0.6783	101	1.2050
22	0.06000	62	0.7317	102	1.2100
23	0.06500	63	0.7850	103	1.2150
24	0.07000	64	0.8384	104	1.2200
25	0.07500	65	0.8917	105	1.2250
26	0.08000	66	0.9117	106	1.2267
27	0.08500	67	0.9317	107	1.2284
28	0.09000	68	0.9517	108	1.2300
29	0.09500	69	0.9717	109	1.2317
30	0.10000	70	0.9917	110	1.2334
31	0.10660	71	1.0034	111	1.2351
32	0.11320	72	1.0150	112	1.2367
33	0.11980	73	1.0267	113	1.2384
34	0.12640	74	1.0383	114	1.2400
35	0.13300	75	1.0500	115	1.2417

36	0.13960	76	1.0568	116	1.2434
37	0.14620	77	1.0636	117	1.2450
38	0.15280	78	1.0704	118	1.2467
39	0.15940	79	1.0772	119	1.2483
40	0.16600	80	1.0840	120	1.2500

5. If more than one BMP in series is necessary to achieve the required 80 percent TSS reduction for a site, the applicant shall utilize the following formula to calculate TSS reduction:

R = A + B - (A *x* B) / 100,
Where

R = total TSS Percent Load Removal from application of both BMPs, and
A = the TSS Percent Removal Rate applicable to the first BMP
B = the TSS Percent Removal Rate applicable to the second BMP.

6. Stormwater management measures shall also be designed to reduce, to the maximum extent feasible, the post-construction nutrient load of the anticipated load from the developed site in stormwater runoff generated from the water quality design storm. In achieving reduction of nutrients to the maximum extent feasible, the design of the site shall include green infrastructure BMPs that optimize nutrient removal while still achieving the performance standards in Sections 115-162P, Q and R.

7. In accordance with the definition of FWI at N.J.A.C 7:9B-1.4, stormwater management measures shall be designed to prevent any increase in stormwater runoff to waters classified as FWI.

8. The Flood Hazard Area Control Act Rules at N.J.A.C. 7:13-4.1(c)1 establish 300-foot riparian zones along Category One waters, as designated in the Surface Water Quality Standards at N.J.A.C. 7:9B, and certain upstream tributaries to Category One waters. A person shall not undertake a major development that is located within or discharges into a 300-foot riparian zone without prior authorization from the Department under N.J.A.C. 7:13.

9. Pursuant to the Flood Hazard Area Control Act Rules at N.J.A.C. 7:13-11.2(j)3.i, runoff from the water quality design storm that is discharged within a 300-foot riparian zone shall be treated in accordance with this subsection to reduce the post-construction load of total suspended solids by 95 percent of the anticipated load from the developed site, expressed as an annual average.

10. This stormwater runoff quality standards do not apply to the construction of one individual single-family dwelling, provided that it is not part of a larger development or subdivision that has received preliminary or final site plan approval prior to December 3, 2018, and that the motor vehicle surfaces are made of permeable material(s) such as gravel, dirt, and/or shells.

R. Stormwater Runoff Quantity Standards

1. This subsection contains the minimum design and performance standards to control stormwater runoff quantity impacts of major development.

2. In order to control stormwater runoff quantity impacts, the design engineer shall, using the assumptions and factors for stormwater runoff calculations at Section 115-163, complete one of the following:

i. Demonstrate through hydrologic and hydraulic analysis that for stormwater leaving the site, post-construction runoff hydrographs for the 2-, 10-, and 100-year storm events do not exceed, at any point in time, the pre-construction runoff hydrographs for the same storm events;

ii. Demonstrate through hydrologic and hydraulic analysis that there is no increase, as compared to the pre-construction condition, in the peak runoff rates of stormwater leaving the site for the 2-, 10- and 100-year storm events and that the increased volume or change in timing or stormwater runoff will not increase flood damage at or downstream of the site. This analysis shall include the analysis of impacts of existing land uses and projected land uses assuming full development under existing zoning and land use ordinances in the drainage area;

iii. Design stormwater management measures so that the post-construction peak runoff rates for the 2-, 10- and 100-year storm events are 50, 75 and 80 percent, respectively, of the pre-construction peak runoff rates. The percentages apply only to the post-construction stormwater runoff that is attributable to the portion of the site on which the proposed development or project is to be constructed; or

3. The stormwater runoff quantity standards shall be applied at the site's boundary to each abutting lot, roadway, watercourse, or receiving storm sewer system.

Section 115-163. Calculation of Stormwater Runoff and Groundwater Recharge.

A. Stormwater runoff shall be calculated in accordance with the following:

1. The design engineer shall calculate runoff using one of the following methods:

i. The USDA Natural Resources Conservation Service (NRCS) methodology, including the NRCS Runoff Equation and Dimensionless Unit Hydrograph, as described in Chapters 7, 9, 10, 15 and

16 Part 630, Hydrology National Engineering Handbook, incorporated herein by reference as amended and supplemented. This methodology is additionally described in *Technical Release 55 - Urban Hydrology for Small Watersheds* (TR-55), dated June 1986, incorporated herein by reference as amended and supplemented. Information regarding the methodology is available from the National Resources Conservation Service website at: https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1044171.pdf

or at United States Department of Agriculture Natural Resources Conservation Service, 220 Davison Avenue, Somerset, New Jersey 08873; or

ii. The Rational Method for peak flow and the Modified Rational Method for hydrograph computations. The rational and modified rational methods are described in "Appendix A-9 Modified Rational Method" in the Standards for Soil Erosion and Sediment Control in New Jersey, January 2014. This document is available from the State Soil Conservation Committee or any of the Soil Conservation Districts listed at N.J.A.C. 2:90-1.3(a)3. The location, address, and telephone number for each Soil Conservation District is available from the State Soil Conservation Committee, PO Box 330, Trenton, New Jersey 08625. The document is also available at: http://www.nj.gov/agriculture/divisions/anr/pdf/2014NJSoilErosionControlStandardsComplete.pdf

2. For the purpose of calculating runoff coefficients and groundwater recharge, there is a presumption that the pre-construction condition of a site or portion thereof is a wooded land use with good hydrologic condition. The term "runoff coefficient" applies to both the NRCS methodology above at Section 115-163 A.1.i and the Rational and Modified Rational Methods at Section 115-163A.1.ii. A runoff coefficient or a groundwater recharge land cover for an existing condition may be used on all or a portion of the site if the design engineer verifies that the hydrologic condition has existed on the site or portion of the site for at least five years without interruption prior to the time of application. If more than one land cover has existed on the site during the five years immediately prior to the time of application, the land cover with the lowest runoff potential shall be used for the computations. In addition, there is the presumption that the site is in good hydrologic condition (if the land use type is pasture, lawn, or park), with good cover (if the land use type is woods), or with good hydrologic condition and conservation treatment (if the land use type is cultivation).

3. In computing pre-construction stormwater runoff, the design engineer shall account for all significant land features and structures, such as ponds, wetlands, depressions, hedgerows, or culverts, that may reduce pre-construction stormwater runoff rates and volumes.

4. In computing stormwater runoff from all design storms, the design engineer shall consider the relative stormwater runoff rates and/or volumes of pervious and impervious surfaces

separately to accurately compute the rates and volume of stormwater runoff from the site. To calculate runoff from unconnected impervious cover, urban impervious area modifications as described in the NRCS *Technical Release 55 - Urban Hydrology for Small Watersheds* or other methods may be employed.

5. If the invert of the outlet structure of a stormwater management measure is below the flood hazard design flood evaluation as defined at N.J.A.C. 7:13, the design engineer shall take into account the effects of tailwater in the design of structural stormwater management measures.

B. Groundwater recharge may be calculated in accordance with the following:

The New Jersey Geological Survey Report GSR-32, A Method for Evaluating Groundwater-Recharge Areas in New Jersey, incorporated herein by reference as amended and supplemented. Information regarding the methodology is available from the New Jersey Stormwater Best Management Practices Manual; at the New Jersey Geological Survey website at: https://www.nj.gov/dep/njgs/pricelst/gsreport/gsr32.pdf

Section 115-164. Sources for Technical Guidance.

A. Technical guidance for stormwater management measures can be found in the documents listed below, which are available to download from the Department's website at: http://www.nj.gov/dep/stormwater/bmp_manual2.htm.

1. Guidelines for stormwater management measures are contained in the New Jersey Stormwater Best Management Practices Manual, as amended and supplemented. Information is provided on stormwater management measures such as, but not limited to, those listed in Tables 1, 2, and 3.

2. Additional maintenance guidance is available on the Department's website at: https://www.njstormwater.org/maintenance_guidance.htm.

B. Submissions required for review by the Department should be mailed to:
The Division of Water Quality, New Jersey Department of Environmental Protection, Mail Code 401-02B, PO Box 420, Trenton, New Jersey 08625-0420.

Section 115-165. Solids and Floatable Materials Control Standards.

A. Site design features identified under Section 115-162F above, or alternative designs in accordance with Section 115-162G above, to prevent discharge of trash and debris from drainage systems shall comply with the following standard to control passage of solid and

floatable materials through storm drain inlets. For purposes of this paragraph, "solid and floatable materials" means sediment, debris, trash, and other floating, suspended, or settle-able solids. For exemptions to this standard see Section 115-165A.2. below.

1. Design engineers shall use one of the following grates whenever they use a grate in pavement or another ground surface to collect stormwater from that surface into a storm drain or surface water body under that grate:

i. The New Jersey Department of Transportation (NJDOT) bicycle safe grate, which is described in Chapter 2.4 of the NJDOT Bicycle Compatible Roadways and Bikeways Planning and Design Guidelines; or

ii. A different grate, if each individual clear space in that grate has an area of no more than seven (7.0) square inches, or is no greater than 0.5 inches across the smallest dimension.

Examples of grates subject to this standard include grates in grate inlets, the grate portion (non-curb-opening portion) of combination inlets, grates on storm sewer manholes, ditch grates, trench grates, and grates of spacer bars in slotted drains. Examples of ground surfaces include surfaces of roads (including bridges), driveways, parking areas, bikeways, plazas, sidewalks, lawns, fields, open channels, and stormwater system floors used to collect stormwater from the surface into a storm drain or surface water body.

iii. For curb-opening inlets, including curb-opening inlets in combination inlets, the clear space in that curb opening, or each individual clear space if the curb opening has two or more clear spaces, shall have an area of no more than seven (7.0) square inches, or be no greater than two (2.0) inches across the smallest dimension.

2. The standard in A.1. above does not apply:

i. Where each individual clear space in the curb opening in existing curb-opening inlet does not have an area of more than nine (9.0) square inches;
ii. Where the municipality agrees that the standards would cause inadequate hydraulic performance that could not practicably be overcome by using additional or larger storm drain inlets;
iii. Where flows from the water quality design storm as specified in N.J.A.C. 7:8 are conveyed through any device (e.g., end of pipe netting facility, manufactured treatment device, or a catch basin hood) that is designed, at a minimum, to prevent delivery of all solid and floatable materials that could not pass through one of the following:
a. A rectangular space four and five-eighths (4.625) inches long and one and one-half (1.5) inches wide (this option does not apply for outfall netting facilities); or
b. A bar screen having a bar spacing of 0.5 inches.

These exemptions do not authorize any infringement of requirements in the Residential Site Improvement Standards for bicycle safe grates in new residential development (N.J.A.C. 5:21-4.18(b)2 and 7.4(b)1).

iv. Where flows are conveyed through a trash rack that has parallel bars with one-inch (1 inch) spacing between the bars, to the elevation of the Water Quality Design Storm as specified in N.J.A.C. 7:8; or

v. Where the New Jersey Department of Environmental Protection determines, pursuant to the New Jersey Register to Historic Places Rules at N.J.A.C. 7:4-7.2(c), that action to meet this standard is an undertaking that constitutes an encroachment or will damage or destroy the New Jersey Register listed historic property.

Section 115-166. Safety Standards for Stormwater Management Basins.

A. This section sets forth requirements to protect public safety through the proper design and operation of stormwater management BMPs. This section applies to any new stormwater management BMP.

B. The provisions of this section are not intended to preempt more stringent municipal or county safety requirements for new or existing stormwater management BMPs. Municipal and county stormwater management plans and ordinances may, pursuant to their authority, require existing stormwater management BMPs to be retrofitted to meet one or more of the safety standards in Section 115-166C.1, Section 115-166C.2 and Section 115-166C.3 for trash racks, overflow grates, and escape provisions at outlet structures.

C. Requirements for Trash Racks, Overflow Grates and Escape Provisions

1. A trash rack is a device designed to catch trash and debris and prevent the clogging of outlet structures. Trash racks shall be installed at the intake to the outlet from the stormwater management BMP to ensure proper functioning of the BMP outlets in accordance with the following:

i. The trash rack shall have parallel bars, with no greater than six-inch spacing between the bars;

ii. The trash rack shall be designed so as not to adversely affect the hydraulic performance of the outlet pipe or structure;

iii. The average velocity of flow through a clean trash rack is not to exceed 2.5 feet per second under the full range of stage and discharge. Velocity is to be computed on the basis of the net area of opening through the rack; and

iv. The trash rack shall be constructed of rigid, durable, and corrosion resistant material and designed to withstand a perpendicular live loading of 300 pounds per square foot.

2. An overflow grate is designed to prevent obstruction of the overflow structure. If an outlet structure has an overflow grate, such grate shall meet the following requirements:

i. The overflow grate shall be secured to the outlet structure but removable for emergencies and maintenance.

ii. The overflow grate spacing shall be no less than two inches across the smallest dimension
iii. The overflow grate shall be constructed and installed to be rigid, durable, and corrosion resistant, and shall be designed to withstand a perpendicular live loading of 300 pounds per square foot.

3. Stormwater management BMPs shall include escape provisions as follows:

i. If a stormwater management BMP has an outlet structure, escape provisions shall be incorporated in or on the structure. Escape provisions include the installation of permanent ladders, steps, rungs, or other features that provide easily accessible means of egress from stormwater management BMPs. With the prior approval of the municipality pursuant to Section 115-166C, a free-standing outlet structure may be exempted from this requirement;

ii. Safety ledges shall be constructed on the slopes of all new stormwater management BMPs having a permanent pool of water deeper than two and one-half feet. Safety ledges shall be comprised of two steps. Each step shall be four to six feet in width. One step shall be located approximately two and one-half feet below the permanent water surface, and the second step shall be located one to one and one-half feet above the permanent water surface. See Section 115-166E. for an illustration of safety ledges in a stormwater management BMP; and

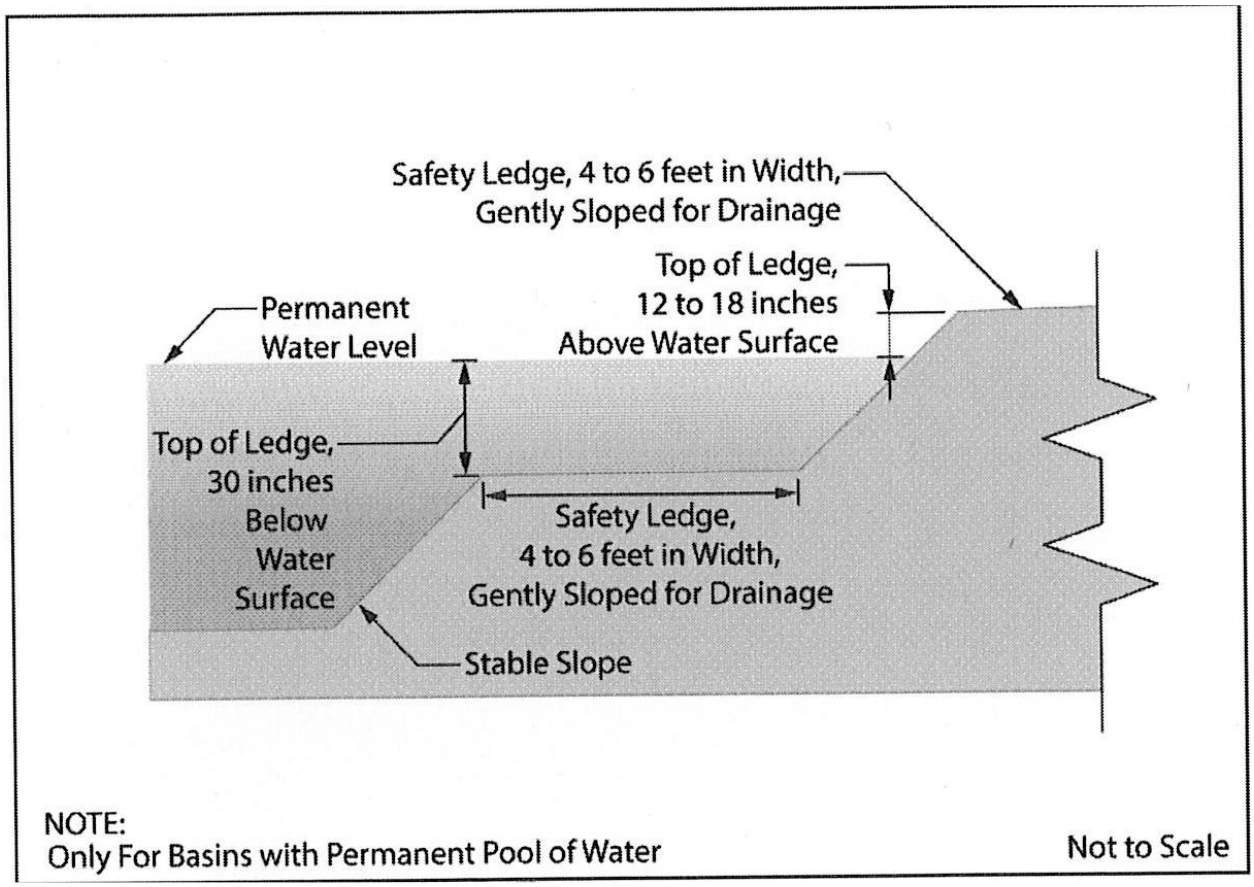
iii. In new stormwater management BMPs, the maximum interior slope for an earthen dam, embankment, or berm shall not be steeper than three horizontal to one vertical.

D. Variance or Exemption from Safety Standard

A variance or exemption from the safety standards for stormwater management BMPs may be granted only upon a written finding by the municipality that the variance or exemption will not constitute a threat to public safety.

E. Safety Ledge Illustration

Elevation View-Basin Safety Ledge Configuration



Section 115-167. Requirements for a Site Development Stormwater Plan.

A. Submission of Site Development Stormwater Plan

1. Whenever an applicant seeks municipal approval of a development subject to this ordinance, the applicant shall submit all of the required components of the Checklist for the Site Development Stormwater Plan at Section 115-167C below as part of the submission of the application for approval.

2. The applicant shall demonstrate that the project meets the standards set forth in this ordinance.

3. The applicant shall submit five (5) copies of the materials listed in the checklist for site development stormwater plans in accordance with Section 115-167C of this ordinance.

B. Site Development Stormwater Plan Approval

The applicant's Site Development project shall be reviewed as a part of the review process by the municipal board or official from which municipal approval is sought. That municipal board or official shall consult the municipality's review engineer to determine if all of the checklist requirements have been satisfied and to determine if the project meets the standards set forth in this ordinance.

C. Submission of Site Development Stormwater Plan

The following information shall be required:

1. Topographic Base Map

The reviewing engineer may require upstream tributary drainage system information as necessary. It is recommended that the topographic base map of the site be submitted which extends a minimum of 200 feet beyond the limits of the proposed development, at a scale of 1"=200' or greater, showing 2-foot contour intervals. The map as appropriate may indicate the following: existing surface water drainage, shorelines, steep slopes, soils, erodible soils, perennial or intermittent streams that drain into or upstream of the Category One waters, wetlands and flood plains along with their appropriate buffer strips, marshlands and other wetlands, pervious or vegetative surfaces, existing man-made structures, roads, bearing and distances of property lines, and significant natural and manmade features not otherwise shown.

2. Environmental Site Analysis

A written and graphic description of the natural and man-made features of the site and its surroundings should be submitted. This description should include a discussion of soil conditions, slopes, wetlands, waterways and vegetation on the site. Particular attention should be given to unique, unusual, or environmentally sensitive features and to those that provide particular opportunities or constraints for development.

3. Project Description and Site Plans

A map (or maps) at the scale of the topographical base map indicating the location of existing and proposed buildings roads, parking areas, utilities, structural facilities for stormwater management and sediment control, and other permanent structures. The map(s) shall also clearly show areas where alterations will occur in the natural terrain and cover, including lawns and other landscaping, and seasonal high groundwater elevations. A written description of the site plan and justification for proposed changes in natural conditions shall also be provided.

4. Land Use Planning and Source Control Plan

This plan shall provide a demonstration of how the goals and standards of Section 115-161 through Section 115-163 are being met. The focus of this plan shall be to describe how the site is being developed to meet the objective of controlling groundwater recharge, stormwater quality and stormwater quantity problems at the source by land management and source controls whenever possible.

5. Stormwater Management Facilities Map

The following information, illustrated on a map of the same scale as the topographic base map, shall be included:

i. Total area to be disturbed, paved or built upon, proposed surface contours, land area to be occupied by the stormwater management facilities and the type of vegetation thereon, and details of the proposed plan to control and dispose of stormwater.
ii. Details of all stormwater management facility designs, during and after construction, including discharge provisions, discharge capacity for each outlet at different levels of detention and emergency spillway provisions with maximum discharge capacity of each spillway.

6. Calculations

i. Comprehensive hydrologic and hydraulic design calculations for the pre-development and post-development conditions for the design storms specified in Section 115-162 of this ordinance.
ii. When the proposed stormwater management control measures depend on the hydrologic properties of soils or require certain separation from the seasonal high water table, then a soils report shall be submitted. The soils report shall be based on onsite boring logs or soil pit profiles. The number and location of required soil borings or soil pits shall be determined based on what is needed to determine the suitability and distribution of soils present at the location of the control measure.

7. Maintenance and Repair Plan

The design and planning of the stormwater management facility shall meet the maintenance requirements of Section 115-168

8. Waiver from submission Requirements

The municipal official or board reviewing an application under this ordinance may, in consultation with the municipality's review engineer, waive submission of any of the requirements in Section 115-167C.1 through Section 115-167C.6 of this ordinance when it can be demonstrated that the information requested is impossible to obtain or it would create a hardship on the applicant to obtain and its absence will not materially affect the review process.

Section 115-168: Maintenance and Repair

A. Applicability

Projects subject to review as in Section 115-159B of this ordinance shall comply with the requirements of Section 115-168B and Section 115-168C.

B. General Maintenance

1. The design engineer shall prepare a maintenance plan for the stormwater management measures incorporated into the design of a major development.

2. Maintenance Plans:

a. The maintenance plan shall contain specific preventative maintenance tasks and schedules; cost estimates, including estimated cost of sediment, debris, or trash removal; and the name, address, and telephone number of the person or persons responsible for preventative and corrective maintenance (including replacement). The

plan shall contain information on BMP location, design, ownership, maintenance tasks and frequencies, and other details as specified in Chapter 8 of the NJ BMP Manual, as well as the tasks specific to the type of BMP, as described in the applicable chapter containing design specifics.

b. Stormwater facilities shall be constantly maintained by the owner or association to assure continual functioning of the system at design capacity and to prevent the health hazards associated with debris buildup and stagnant water. Maintenance responsibilities, inspection schedules and tasks will be clearly shown in the proposed plan. In no case shall water be allowed to remain in any facility long enough to trigger a mosquito breeding disease or cause any other type of health problem. The maintenance plan must include inspection routines to reduce the potential for extensive, difficult, and costly remedial or emergency maintenance efforts, including inspection checklists. Inspection checklists may address such items as:

i. Obstruction of inlet devices by trash and debris;
ii. Evidence of erosion, sedimentation of instability;
iii. Malfunctioning of valves, gates, locks, access hatches or equipment;
iv. Deteriorated conduit outlet or seepage around outlet;
v. Cracks or other deterioration of inlets, outlets, pipes, and conduits;
vi. Inadequate draining, clearing or clogging of control devices;
vii. Trimming, cutting or mowing of vegetation as required;
viii. Erosion and debris in emergency spillways and/or filter strips;
ix. Deterioration of downstream channels/conduits;
x. Invasive or noxious weeds out of character with those specified;
xi. Saturated conditions or standing water;
xii. Animal burrowing; and
xiii. Vandalism or other non-specified occurrences.

3. If the maintenance plan identifies a person other than the property owner (for example, a developer, a public agency or homeowners' association) as having the responsibility for maintenance, the plan shall include documentation of such person's entity's agreement to assume this responsibility, or of the owner's obligation to dedicate a stormwater management facility to such person under an applicable ordinance or regulation.

4. Responsibility for maintenance shall not be assigned or transferred to the owner or tenant of an individual property in a residential development or project, unless such owner or tenant owns or leases the entire residential development or project. The individual property owner may be assigned incidental tasks, such as weeding of a green infrastructure BMP, provided the individual agrees to assume these tasks; however, the individual cannot be legally responsible for all of the maintenance required.

5. If the party responsible for maintenance identified under Section 115-168B.3 above is not a public agency, the maintenance plan and any future revisions based on Section 115-168B.7 below shall be recorded upon the deed or record for each property on which the maintenance described in the maintenance plan must be undertaken.

6. Preventative and corrective maintenance shall be performed to maintain the functional parameters (storage volume, infiltration rates, inflow/outflow capacity, etc.) of the stormwater management measure, including, but not limited to, repairs or replacement to the structure; removal of sediment, debris, or trash; restoration of eroded areas; snow and ice removal; fence repair or replacement; restoration of vegetation; and repair or replacement of non-vegetated linings.

7. The party responsible for maintenance identified under Section 115-168B.3 above shall perform all of the following requirements:

i. maintain a detailed log of all preventative and corrective maintenance for the structural stormwater management measures incorporated into the design of the development, including a record of all inspections and copies of all maintenance-related work orders;
ii. evaluate the effectiveness of the maintenance plan at least once per year and adjust the plan and the deed as needed; and
iii. retain and make available, upon request by any public entity with administrative, health, environmental, or safety authority over the site, the maintenance plan and the documentation required by Section 115-168B.3 and Section 115-168B.7.
iv. Beginning on March 3, 2021, or the effective date of this ordinance, whichever is sooner, make annual submissions to the municipality, no later than January 31st, containing excerpts of the detailed log of all preventative and corrective maintenance that was performed for the calendar year that just ended for all structural stormwater measures incorporated into the design of the development, including a record of all inspections and copies of all maintenance related work orders.

8. The requirements of Section 115-168B.3 and Section 115-168B.4 do not apply to stormwater management facilities that are dedicated to and accepted by the municipality or another governmental agency, subject to all applicable municipal stormwater general permit conditions, as issued by the Department. https://www.njstormwater.org/maintenance_guidance.htm.

9. In the event that the stormwater management facility becomes a danger to public safety or public health, or if it is in need of maintenance or repair, the municipality shall so notify the responsible person in writing. Upon receipt of that notice, the responsible person shall have fourteen (14) days to effect maintenance and repair of the facility in a manner that is approved by the municipal engineer or his designee. The municipality, in its discretion, may extend the time allowed for effecting maintenance and repair for

good cause. If the responsible person fails or refuses to perform such maintenance and repair, the municipality or County may immediately proceed to do so and shall bill the cost thereof to the responsible person. Nonpayment of such bill may result in a lien on the property.

C. Nothing in this subsection shall preclude the municipality in which the major development is located from requiring the posting of a performance or maintenance guarantee in accordance with N.J.S.A. 40:55D-53.

Section115-169. Review and Inspection fees,

A. Review fees.
1. When stormwater management plans are required to be prepared and submitted for review and approval under this article, and when such plans are submitted for review and approval in conjunction with an application for development approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., then no additional and separate review fee shall be required. The costs for professional review of the stormwater management plan will be deducted from the review escrow account established for the development application in accordance with the applicable provisions of this chapter.

2. A review fee of $500 shall be paid to the Township whenever:
i. A stormwater management plan is required to be prepared and submitted for review and approval under this article, and such plan is not submitted for review and approval in conjunction with an application for development approval under the Municipal Land Use Law, N.J.SA. 40:55D-1 et seq.

ii. A revised stormwater management plan is submitted for review and approval subsequent to the approval of a development application by the Planning Board or Board of Adjustment, and when revisions to a previously approved stormwater management plan are necessitated by field conditions or other modifications to the development proposal.

B. Inspection Fees.

1. When stormwater management improvements are constructed in conjunction with other site improvements associated with an approved major subdivision or site plan, then no additional and separate construction inspection escrow account shall be required.

2. When stormwater management improvements are constructed in conjunction with a minor subdivision approval, or variance approval for which no site plan was required, then a construction inspection escrow account shall be established with the Township in the manner provided in this chapter and in accordance with the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq.

Section 115-170: Penalties

A. Fines

1. Any violation of any provision of this Ordinance shall be punishable by a fine not to exceed $1000.00 for each offense and/or imprisonment for a term not exceeding ninety (90) days. The following individuals shall be subject to potential punishment:

i. The owner, general agent, contractor or occupant of a building, premises or part thereof where such a violation has been committed or does exist; and
ii. Any agent, contractor, architect, engineer, builder, corporation or other person who commits, takes part or assists in the violation.

2. Each day that a violation continues shall constitute a separate offense.

3. The imposition of penalties herein shall not preclude the Township or any other person from instituting an action to prevent an unlawful construction, reconstruction, alteration, repair, conversion, or use or to restrain, correct or abate a violation, or to prevent the illegal occupancy of a building, land or premises.

B. Injunctive Relief

In addition to the foregoing, the Township may institute and maintain a civil action for injunctive relief.

SECTION TWO. Severability. If any article, section, subsection or provision of this Ordinance shall be held invalid in any court of competent jurisdiction, the same shall not affect the other articles, sections, subsections or provisions of this Ordinance and, to this end, the provisions of this Ordinance are declared to be severable.

SECTION THREE. Repealer. All ordinances and resolutions or parts thereof which are inconsistent with this Ordinance are repealed.

SECTION FOUR. Renumbering. The articles, sections, subsections or provisions of this Ordinance may be renumbered as practical or reasonable for codification purposes.

SECTION FIVE. **Effective Date**.
This ordinance shall take effect immediately upon final adoption and publication by the Alexandria Township Committee and the approval of the County reviewing agency, or sixty (60) days from receipt of the Ordinance by the County reviewing agency if the County reviewing agency should fail to act.

- Abandon/Vacant Property Ordinance 2019-003

The Township Committee will leave Ordinance 2019-003 as is as the fees are comparable to surrounding Townships.

NEW BUSINESS:

- Planning Incentive Grant Application
  Furlong Farm
  Block 21.04 Lot 19.04- Alexandria Township

Bob Hornby, a representative from the Hunterdon County Agriculture Development Board (CADB) noted that in October the Township approved to add this property on the Township's target farm list as it was not on there for preservation consideration. The State Agriculture Development Board is a federally funded program and will cover 100% of the preservation. The CADB will know more on the funding of this project in February or March.

Comm. Kiernan made a motion, seconded by Comm. Pfefferle for the preservation efforts to move forward on this farm and to authorize Mayor Plumer to sign documents from the County Agriculture Development Board (CADB) pertaining to moving forward on the preservation.

Roll Call: Aye: Kiernan, Pfefferle, Plumer
Nay: None
Abstain: None

Motion Carried

- Ordinance 2021-3 Amending Section 64-3, Fees, of the Code of the Township of Alexandria To Establish a Fee Schedule for Construction Permits-***1st Reading***

Construction Official Farneski was present and noted that the State Department of Community Affairs has approved the proposed fee schedule. The Building Department has not updated fees for several years and the State has changed the permit structure and that Construction Official Farneski wants to clean-up the schedule and make it user friendly for the sub-code officials.

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to approve Ordinance 2021-3 on *1st Reading*. ***The Public Hearing is scheduled for March 10, 2021.***

Roll Call: Aye: Kiernan, Pfefferle, Plumer
Nay: None
Abstain: None

Motion Carried

ORDINANCE NO. 2021-003 OF THE TOWNSHIP OF ALEXANDRIA, COUNTY OF HUNTERDON, STATE OF NEW JERSEY AMENDING SECTION 64-3, FEES, OF THE CODE OF THE TOWNSHIP OF ALEXANDRIA, TO ESTABLISH A FEE SCHEDULE FOR CONSTRUCTION PERMITS.

BE IT ORDAINED by the Mayor and Committee of the Township of Alexandria in Hunterdon County, New Jersey as follows:

Section 1. **Subsection 64-3.A. Amended**. Subsection 64-3.A., of Section 64-3, Fees, of Chapter 64, Building Construction, of the Code of the Township of Alexandria, New Jersey, is hereby deleted in its entirety and replaced with the following:

The following fees are hereby established for the securing of construction permits:

(1) **Building Sub-code fees:**

Minimum Fee…….. .$75
New Construction / Addition R-3, R-5…….. .$0.045 cu/ft
All other use groups up to and including the first 100,000cu.ft …… $0.040 cu/ft
Over 100,000cu.ft……..$0.035 cu/ft
Structure on Bonafide Farm per N.J.A.C 5:23-3.2(d) ……..$0.01 cu/ft
Renovations / Alterations / Repairs ……..$30 per $1000 cost of construction
Decks……..$30 per $1000 cost of construction (Minimum $100)

Roof / Siding / Fences over 6ft & replacement of
Pool Barriers for Group R-3, R-5……..$100 (Flat Fee)

Photovoltaic Systems
- One and Two Family Structures……$200 (Flat Fee)
- All other Use Groups……$30 per $1000 cost of construction.

Demolitions
- One and Two Family Structure……..$200
- Structure Accessory to above and/or on Bonafide Farm…..…… $75
- All other Use Groups…… $300

Signs……..……$3 per sq/ft ($75 Minimum)
Temporary Structures including but not limited to tents and site trailers……..$200 ea.
Above Ground Pool……$100
In-ground Pool……..$350
Annual Inspection of commercial pool, Spa, or Hot Tub (per N.J.A.C. 5:23-4.18(1))…….$100
Pre-fab Sheds over 200 sq/ft……..$100
Retaining Walls
- Class 3 Residential Structures surface less than 550 sq ft ……..$125
- Class 3 Residential Structures surface more than 550 sq ft ……..$200

▪ For all other Use Groups …….. $30 per $1000 cost of construction.
Asbestos / Lead Abatement……. $150

(2) Fire Sub-code fees

Minimum Fee……..$75

Sprinklers:
▪ 1 to 20…….. $100
▪ 21 to 100 …….. $200
▪ 101 to 1000…….. $2.00 per head
▪ Over 1000 …….. $1.50 per head

Detectors:
▪ 1 to 12.....$75 ea.
▪ Each Additional 25 Detectors……..$50 ea.

Sprinkler Valves……..$150 ea.
Standpipes…….. $290 ea.
Pre-Engineered Systems……..$200 ea.
Gas/Oil Fired Appliance……..$75 ea.
Solid Fuel Burning Appliance (Wood, Pellet, Coal)……..$75 ea.
Metal Chimney & Chimney Liners…… …… $75 ea.
Fire Tanks……$150 ea.
Fire Pump…… $300 ea.
Underground Piping…… $100 ea.
Hoods & Kitchen Exhaust System:
▪ Residential……..$75 ea.
▪ Commercial……..$200 ea.

Alarm System:
▪ Group R-3, R-5……$75
▪ All other use Groups……..$5 per device
▪ Smoke Control Systems…… .$250 ea.
▪ Fire Alarm Control Panels…… $100 ea.

Fuel Tank Install – Underground:

▪ Up to 10,000 gallons……..$200 ea.

▪ Over 10,000 gallons……..$250 ea.

Fuel Tank Install – Aboveground:

▪ 2000 gallons or less……..$75 for 1st and $25 for each additional

▪ Over 2000 gallons……$200 ea.

Removal / Abandonment Non Regulated Fuel Tank……..$75 ea.

(3) **Electric Sub-code fees**

(a) Minimum Fee……..$75.00

(b) For the first block consisting of 1 to 10 receptacles, fixtures or devices, the fee shall be $75.00 for each additional block consisting of up to 25 receptacles, fixtures or devices, the fee shall be $25.00. For the purpose of computing this fee, receptacles, fixtures or devices shall include lighting fixtures, wall switches, convenience receptacles, sensors, dimmers, alarm devices, smoke and heat detectors, communications outlets, light-standards eight feet or less in height including luminaries, emergency lights, electric signs, exit lights or similar electric fixtures and devices rated 20 amps or less including motors or equipment rated less than 1 hp or 1 kw.

(c) For each motor or electrical device rated from 1 hp or 1 kw to 10 hp or 10 kw; for each transformer or generator rated from 1 kw or 1 kw to 10 kw or 10 kw; for each replacement of wiring involving one branch circuit or part thereof; for each storable pool or hydro massage bath tub; for each underwater lighting fixture; for household electric cooking equipment rated up to 16 kw; for each fire, security or burglar alarm control unit; for each receptacle rated from 30 amps to 50 amps; for each light-standard greater than eight feet in height including luminaries; and for each communications closet, the fee shall be $75.00

(d) For each motor or electrical device rated from greater than 10 hp or 10 kw to 50 hp or 50 kw; for each service equipment, panel board, switch board, switch gear, motor-control-center, or disconnecting means rated 225 amps or less; for each transformer or generator rated from greater than 10 kw or 10 kw to 45 kw or 45 kw; for each electric sign rated from greater than 20 amps to 225 amps including associated disconnecting means; for each receptacle rated greater than 50 amps; and for each utility load management device, the fee shall be $125.00

(e) For each motor or electrical device rated from greater than 50 hp or 50 kw to 100 hp or 100 kw; for each service equipment, panel board, switch board, switch gear, motor-control-center or disconnecting means rated from greater than 225 amperes to 1,000 amps; and for each transformer or generator rated from greater than 45 kw or 45 kw to 112.5 kw or 112.5 kw, the fee shall be $200.00

(f) For each motor or electrical device rated greater than 100 hp or 100 kw; for each service equipment, panel board, switch board, switch gear, motor-control-center or disconnecting means rated greater than 1,000 amperes; and for each transformer or generator rated greater than 112.5 kw or 112.5 kva the fee shall be $576.00

Electric Sub-code continued

(g) Pools:
- Spa / Hot Tub……..$100
- Aboveground pool……..$100
- In-ground pool……..$200
- Annual Electric Inspection of Public Pools, Spas or Hot Tubs…….$100

(h) Photovoltaic systems, the fee shall be based on designated kilowatt rating of solar photovoltaic system as follows:
- 1-10 kw……..$100
- 11-50 kw……..$200
- 51-100 kw……..$400
- 101 - 150 kw……..$700
- Every 50 kw over 150 kw shall be an additional fee of……$75

(i) New Residential install of generator & transfer switch rated 20kw and 200 amps or less……..$200

(4) **Plumbing Sub-code fees**

Minimum Fee……..$75
Fixture or piece of equipment connected to plumbing system……..$20 ea.
Dishwasher……..$20 ea.
Washing machine or standpipe……..$20 ea.
Drains……..$20 ea.
Hose bib……..$20 ea.
Stacks……..$20 ea.
Sewer or septic connection……..$95 ea.
Air conditioning and refrigerator or similar device……..$95 ea.
Domestic Water Heater, Boiler or similar device……..$95 ea.
Backflow Preventer……..$95 ea.
Sump Pump……..$95 ea.
Sewer or Ejector Pump……..$95 ea.
Solar system……..$95 ea.
Underground and above-ground tank……..$95 ea.
Recertification of Backflow Preventer……..$95 ea.
Lawn sprinkler system……..$95 ea.
Service connections ……..$95 ea.
Grease trap or interceptors……..$95 ea.
Interception/Separator……..$95 ea.

(5) **Mechanical Sub-code (Groups R3, R5)**

Gas/Oil Piping……..$115 for 1st and $30 ea. additional

Boiler / Furnace or Similar Device..... …$115 for 1st and $30 ea. additional
Air Conditioning, Refrigeration or similar device……..$115 for 1st and $30 each additional

Underground or Above Ground
▪ Storage Tank……...$115 for 1st and $30 each additional
Generator……..……...$115 for 1st and $30 each additional
Fireplace……..……...$115 for 1st and $30 each additional

(6) **Certificate and other permit fees:**

Certificate of Occupancy……..……...10% of Total Permit Fee
Certificate of Occupancy pursuant to change of use……...$200
TCO Extensions ……...$35
*****TCO Exception:** there will be no fee for the 1st issuance provided the Certificate of Occupancy fee is paid at that time.

Update fee……...$25
Change of Contractor……..……...$25
Application for variation:
▪ Class 1 Structure……..……..$400
▪ Resubmission for Class 1 Structure……..……...$125
▪ Class 2 & 3 Structures……$150
▪ Resubmission for Class 2 & 3 Structures……..……...$100
▪ Plan review fee $100 per hour (minimum review time ½ hour will be charged. Review time rounded to nearest ¼ hour)

Fees for any permit not listed shall be charged in accordance with the provisions of NJAC 5:23-4.20, et seq.

Elevators……..per state fee schedule

Zoning:
Zoning permit or Land use ordinance interpretation……...$50
Highlands Exemption fee (per ordinance 109-10G).....$300
Single Family dwelling (includes foundation location review).....$125

Section 2. **Subsection 64-3.C. Amended**. Subsection 64-3.C., of Section 64-3, Fees, of Chapter 64, Building Construction, of the Code of the Township of Alexandria, New Jersey, is hereby deleted in its entirety and replaced with the following:

C. In order to provide for the training, certification and technical support programs required by the Uniform Construction Code Act

and the regulations, the enforcing agency shall collect fees as specified in N.J.A.C. 5:23-4.19, et seq.

Section 3. Repealer. All ordinances and resolutions or parts thereof inconsistent with this Ordinance are repealed.

Section 4. Severability. If any section, paragraph, subsection, clause, or provision of this Ordinance shall be adjudged by the courts to be invalid, such adjudication shall only apply to the section, paragraph, subsection, clause, or provision so adjudged and the remainder of this Ordinance shall be deemed valid and enforceable.

Section 5. Effective date. This Ordinance shall take effect upon final passage and publication in accordance with law.

- Resolution 2021-053 For the Purchase of a Western Star 4700SB Single Axle Dump Truck Not to Exceed $200,000.00

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to approve Resolution 2021-053*.*

Roll Call: Aye: Kiernan, Pfefferle, Plumer
Nay: None
Abstain: None

Motion Carried

RESOLUTION 2021- 053 TOWNSHIP OF ALEXANDRIA, COUNTY OF HUNTERDON, STATE OF NEW JERSEY FOR THE PURCHASE OF A WESTERN STAR 4700SB SINGLE AXLE DUMP TRUCK NOT TO EXCEED $200,000.00

WHEREAS the Acquisition of Public work Equipment account 04-226-55-000-003 will be utilized for the purchase of the Wester Star 4700SB Single Axel Dump Truck, along with Installation of a Snowplow, Dump Body, and Spreader, and shall include Extended Factory Warranty Services and all necessary appurtenances as required and;

WHEREAS, the amounts of the Body, plow and spreader; Frame and cab; and warranties are to be paid for in three separate Purchase Orders and;

WHEREAS, the Township of Alexandria has sufficient funds to pay for the above items in the General Capital Fund of The Township of Alexandria Account Number 04-215-56-975-000.

WHEREAS, the Township's Chief Financial Officer has certified that there are funds in place to purchase said truck and all required appearances.

NOW THEREFORE BE IT RESOLVED that the Alexandria Township Committee approves the purchase of a Western Star 4700SB Single Axle Dump Truck frame, cab and warranties from Hoover Truck and Bus Centers, the body, snowplow, and salt spreader and all appurtenances from Henderson Products Inc.

- Resolution 2021-054 Awarding Contract to Robert H. Hoover & Sons, Inc. Under New Jersey Cooperative Pricing Agreement

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to approve Resolution 2021-054**.**

Roll Call: Aye: Kiernan, Pfefferle, Plumer
Nay: None
Abstain: None

Motion Carried

RESOLUTION 2021-054 TOWNSHIP OF ALEXANDRIA, COUNTY OF HUNTERDON, STATE OF NEW JERSEY
AWARDING CONTRACT TO ROBERT H. HOOVER & SONS, INC. UNDER NEW JERSEY COOPERATIVE PRICING AGREEMENT

WHEREAS, the Township of Alexandria seeks to purchase a Western Star 4700SB Single Axle Cab and Chassis, with accessories including a snow plow and dump body, installation services and an extended factory warranty; and

WHEREAS, the Township has researched available goods and services from qualified vendors that would serve its needs and determined that a portion of the sought-after goods and services could be purchased through New Jersey State Approved Cooperative Pricing System #65MCESCCPS, administered by the Educational Services Commission ("ESCNJ") under N.J.S.A. 40A:11-11; and

WHEREAS, ESCNJ has entered into a Cooperative Pricing Agreement with Robert H. Hoover & Sons, Inc. for "Trucks – 26,000 lbs. Gross Vehicle Weight (GVW) or greater," which is made available to local units through above-referenced Cooperative Pricing System; and

WHEREAS, consistent with the ESCNJ Cooperative Pricing Agreement, Robert H. Hoover & Sons, Inc. submitted a proposal dated December 8, 2020 to the Township to provide a Western Star 4700SB Single Axle Cab and Chassis for $103,005.85; and

WHEREAS, pursuant to N.J.S.A. 40A:11-10 et seq., the Township is a member of ESCNJ's Cooperative Pricing System and is authorized to purchase goods and services without public bidding thereunder; and

WHEREAS, in addition to purchasing the Western Star 4700SBSingle Axis Cab and Chassis through the ESCNJ Cooperative Pricing Agreement, the Township seeks to purchase an Extended Factory Warranty to cover said purchase; and

WHEREREAS, Robert H. Hoover & Sons, Inc. submitted a proposal dated December 9, 2020 to the Township to provide the Extended Factory Warranty services for the sum of $7,808.00; and

WHEREAS, the Extended Factory Warranty services do not exceed the applicable bid threshold under the Local Public Contracts Law and therefore, may be awarded to Robert H. Hoover & Sons, Inc. without public bidding therefor; and

WHEREAS, the Chief Financial Officer has certified that sufficient funds are available for these purchases in the General Capital Fund, Account Number 04-226-55-000-003.

NOW, THEREFORE, BE IT RESOLVED by the Township Committee of the Township of Alexandria, County of Hunterdon, State of New Jersey, as follows:

1. The foregoing "Whereas" clauses are hereby incorporated as if fully restated.

2. A contract for the purchase One (1) Western Star 4700SB Single Axle Cab and Chassis for $103,005.85 and Extended Factory Warranty services for $7,808.00 is hereby awarded to Robert H. Hoover & Sons, Inc. without public bidding as permitted by law, for the total not to exceed contract amount of $110,813.85, as more fully set forth in the Agreement.

3. The Mayor and Clerk are hereby authorized and directed to execute the Agreement with Robert H. Hoover & Sons, Inc. for goods and services in accordance with this Resolution.

- Resolution 2021-055 Awarding Contract to Henderson Products, Inc. Under Sourcewell National Cooperative Purchasing Agreement

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to approve Resolution 2021-055**.**

Roll Call: Aye: Kiernan, Pfefferle, Plumer
Nay: None
Abstain: None

Motion Carried

RESOLUTION 2021-055 TOWNSHIP OF ALEXANDRIA, COUNTY OF HUNTERDON, STATE OF NEW JERSEY
AWARDING CONTRACT TO HENDERSON PRODUCTS, INC. UNDER SOURCEWELL NATIONAL COOPERATIVE PURCHASING AGREEMENT

WHEREAS, the Township of Alexandria seeks to purchase a Western Star 4700SB Single Axle Cab and Chassis, with accessories including a snow plow and dump body, installation services and an extended factory warranty; and

WHEREAS, the Township has researched available goods and services from qualified vendors that would serve its needs and determined that a portion of the sought-after goods and services could be purchased through a nationally recognized and accepted cooperative purchasing contract; and

WHEREAS, Sourcewell has entered into a national cooperative purchasing contract for "Snow and Ice Handling Equipment, Supplies, and Accessories" with vendor Henderson Products, Inc., which is made available to governmental agencies through Sourcewell, of which the Township is a member; and

WHEREAS, consistent with the Sourcewell cooperative purchasing contract and needs of the Township, Henderson Products, Inc. has submitted a proposal dated January 13, 2021 to provide One (1) Reversible Snow Plow, One (1) Marke SA Dump Body, along with installation services to the Township, which shall include installation of the Snow Plow, Dump Body and salt/sand spreader (supplied by the Township); and

WHEREAS, pursuant to N.J.S.A. 52:34-6.2b.(3) (as amended by P.L. 2011, c.139) and LFN 2012-10, a New Jersey municipality may purchase goods and services without public bidding under the Local Public Contracts Law through the use of a nationally recognized and accepted cooperative purchasing contract that has been developed utilizing a competitive bidding or contracting process by another contracting unit within New Jersey or another state; and

WHEREAS, Sourcewell is a service cooperative and local government unit of the State of Minnesota; and

WHEREAS, the subject cooperative purchasing contract was awarded by Sourcewell to Henderson Products, Inc. utilizing a competitive contracting process, and is made available to participating agencies such as the Township; and

WHEREAS, also pursuant to N.J.S.A. 52:34-6.2b.(3) (as amended by P.L. 2011, c.139) and LFN 2012-10, prior to making purchases under nationally recognized and

accepted cooperative purchasing contracts, the Township must determine that the use of the cooperative purchasing contract shall result in cost savings after all factors, including charges for service, material, and delivery, have been considered; and

WHEREAS, based on the Department of Public Work's research, the Township has determined that its use of the Sourcewell cooperative purchasing contract to procure the goods and services will result in cost savings to the Township; and

WHEREAS, procurement of the desired goods and services is not available for procurement through a New Jersey State contract at this time; and

WHEREAS, the contract cost for the goods and services under the Sourcewell cooperative purchasing contract will not exceed $84,176.00; and

WHEREAS, the Chief Financial Officer has certified that sufficient funds are available for this purchase in the General Capital Fund, Account Number 04-226-55-000-003; and

WHEREAS, consistent with applicable law, the Township advertised its intent to make this award to Henderson Products, Inc. as well as the public's opportunity to submit comments thereto.

NOW, THEREFORE, BE IT RESOLVED by the Township Committee of the Township of Alexandria, County of Hunterdon, State of New Jersey, as follows:

1. The foregoing "Whereas" clauses are hereby incorporated as if fully restated.
2. A contract for the purchase of One (1) Reversible Snow Plow, One (1) Marke SA Dump Body and Installation Services is hereby awarded to

Henderson Products, Inc. without public bidding as permitted by law, for the not to exceed contract amount of $84,176.00.

3. The Mayor and Clerk are hereby authorized and directed to execute an Agreement with Henderson Products, Inc. in accordance with this Resolution.

CONSENT AGENDA:

All items listed with an asterisk on the agenda "*" are considered to be routine by the Township Committee and will be enacted by one motion. There will be no separate discussion of these items unless a Committee member or citizen requests, in which event the item will be removed from the General Order of Business and considered in its normal sequence on the agenda.

The Township Committee removed and tabled the following Ordinances:

Resolution 2021-057 Amending the 2020 Salary Resolution for Employees
Resolution 2021-058 Amending the 2021 Salary Resolution for Employees

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to approve the resolutions below on the Consent Agenda.

Roll Call: Aye: Plumer, Kiernan, Pfefferle
Nay: None
Abstain: None

Motion Carried

- Resolution 2021-052 Member Participation and Authorizing Alexandria Township to Enter into a Cooperative Pricing Agreement with Hunterdon County Educational Services Commission

RESOLUTION 2021-052 TOWNSHIP OF ALEXANDRIA, COUNTY OF HUNTERDON, STATE OF NEW JERSEY FOR MEMBER PARTICIPATION AND AUTHORIZING ALEXANDRIA TOWNSHIP TO ENTER INTO A COOPERATIVE PRICING AGREEMENT WITH HUNTERDON COUNTY EDUCATIONAL SERVICES COMMISSION

WHEREAS, N.J.S.A. 40A:11-11(5) authorizes contracting units to establish a Cooperative Pricing System and to enter into Cooperative Pricing Agreements for its administration; and

WHEREAS, the Hunterdon County Educational Services Commission, hereinafter referred to as the "Lead Agency " has offered voluntary participation in a Cooperative Pricing System for the purchase of goods and services;

WHEREAS, on February 10, 2021 the governing body of Alexandria Township, County of Hunterdon, State of New Jersey duly considered participation in a Cooperative Pricing System for the provision and performance of goods and services;

NOW, THEREFORE BE IT RESOLVED as follows:

TITLE

This RESOLUTION shall be known and may be cited as the Cooperative Pricing Resolution of Alexandria Township.

AUTHORITY

Pursuant to the provisions of *N.J.S.A. 40A:11-11(5)*, the CFO is hereby authorized to enter into a Cooperative Pricing Agreement with the Lead Agency.

CONTRACTING UNIT

The Lead Agency shall be responsible for complying with the provisions of the *Local Public Contracts Law (N.J.S.A. 40A:11-1 et seq.)* and all other provisions of the revised statutes of the State of New Jersey.

EFFECTIVE DATE

This resolution shall take effect immediately upon passage.

- Resolution 2021-056 Appropriation Transfer # 2 for Fire Prevention

RESOLUTION 2021-056 FOR THE TOWNSHIP OF ALEXANDRIA, COUNTY OF HUNTERDON, STATE OF NEW JERSEY APPROPRIATION TRANSFER #2 FOR ADDITIONAL 2020 BILLS

WHEREAS, various 2020 bills have been presented for payment this year, which bills represent obligations of the fiscal year 2020 and were not covered by order number and/or recorded at the time of transfers between the 2020 Budget in the last two months of 2020: and

WHEREAS, N.J.S. 40A:4-59 provides that all unexpended balances carried forward after the close of the fiscal year are available, until lapsed at the closed of the succeeding year, to meet specific claims, commitments or contracts incurred during the
preceding fiscal year, and allow transfers to be made from unexpended balances to those which are expected to be insufficient during the first three months of the succeeding year;

NOW, THEREFORE, BE IT RESOLVED by the Committee of the Township of Alexandria, in the County of Hunterdon, State of New Jersey, (2/3 of the majority of the full membership concurring herein) that the transfers as listed in the resolution be made between the 2020 Budget Appropriation Reserves as follows:

	FROM	TO
Fire Prevention S&W	$ 70.00	
Fire Prevention O/E		$ 70.00
Total	$ 70.00	$ 70.00

ENGINEER'S REPORT:
Township Committee reviewed the attached Engineer's report from Township Engineer Decker.

APPROVAL OF MINUTES:

- January 13, 2021Township Committee
- January 13, 2021 Executive Session
- January 27, 2021 Workshop Meeting

The Township Committee tabled the above minutes until the March 10, 2021 meeting so that the Township Committee could review them.

BILL LIST:
Comm. Kiernan made a motion, seconded by Comm. Pfefferle to approve the February 10, 2021 bill list.
Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

PUBLIC COMMENT ON GENERAL MATTERS:

Township Resident Wayne Mascillo, 5 Stone Mill Drive noted that he has expertise in DPW trucks and their specs. Mr. Mascillo asked if the Township Committee needed someone to overlook the specs for the DPW truck that is being purchased and would like to be a contact for the Township for these services. Mayor Plumer did an overview of the DPW truck purchase and advised Mr. Mascillo that he could provide his contact information to the Township Clerk in the event that the Township could utilize his services in the future.

CORRESPONDENCE/ANNOUNCEMENTS:

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to go into Executive Session. (**8:32 PM)**

Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

Open Public Meetings Act RESOLUTION- Executive Session

WHEREAS, N.J.S.A. 2:4-12, Open Public Meetings Act, permits the exclusion of the public from a meeting in certain circumstances; and

WHEREAS, this public body is of the opinion that such circumstances presently exist:

NOW, THEREFORE, BE IT RESOLVED by the Township of Alexandria, County of Hunterdon, State of New Jersey, as follows:

1. The public shall be excluded from discussion of the hereinafter specified subject matters.
2. The general nature of the subject matter to be discussed is as follows:

____ A confidential or excluded matter under Federal or State Law or Court Rule.

____ A matter involving information that may impair the Township's rights to receive funds from the United States Government.

___ A matter constituting an unwarranted invasion of an individual's privacy rights.

___ Collective Bargaining Agreement or negotiation of the Agreement.

_____ Matters involving the purchase, lease or acquisition of real property with public funds which it could adversely affect the public interest if discussion were disclosed.

_____ Tactics and techniques to protect the safety and property of the public, including investigations of violations or potential violations of the law.

____ Pending or anticipated litigation or contract negotiations in which the public body is or may become a party.

_X_____ Matters falling within the attorney-client privilege.
Beneduce Vineyards
Van Fossen/Narbonne- Route 513

_X__ Personnel matters involving a specific employee or officer of the Township.
Employee Review of Township Clerk Bobrowski and CFO Rees by Township Committee

____ Deliberations of the Township occurring after a public hearing that may result in the imposition of a specific penalty or suspension or loss of a license or permit.

3. It is anticipated at this time that the above matter will be made public: at the conclusion of the litigation and at such time as attorney client confidentiality is no longer needed to protect confidentiality and litigation strategy.
4. The executive session minutes will be placed on file in the township clerk's office, and will be available to the public as provided for by New Jersey law.
5. This Resolution shall take effect immediately.

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to return to Public Session **(8:43 PM).**
Roll Call: Aye: Plumer, Kiernan, Pfefferle
Nay: None
Abstain: None

Motion Carried

Comm. Kiernan made a motion, seconded by Comm. Pfefferle to approve a change in the building department hours permanently to meet the demand of Township Residents and Contractors who have brought complaints forward due to the inability of not being able to access building department staff on a regular basis. The new hours are to be Monday through Friday from 9:00 AM to 2:00 PM and the 2nd and 4th Thursday evening from 5:00 PM to 7:00 PM.
Roll Call: Aye: Plumer, Kiernan, Pfefferle
Nay: None
Abstain: None

Motion Carried

- ***The following matters were discussed in Executive Session:***

- Beneduce Vineyards
  No Update

- Vanfossen/Narbone
  Prosecutor representing the Township is requesting the presence of the Township Engineer for a site visit at the property with Court Representatives, the property owners, Attorneys, the NJ DEP, and the County Health Department to discuss the site conditions and recourse before the Court date. The Township Committee would like additional information as to why the presence of the Township Engineer is needed and do not want to set precedent with having Township professionals be asked to assist on Court matters that may be deemed unnecessary.

- Employee Review of Township Clerk/Administrator Bobrowski and CFO Rees by Township Committee

  The Township Committee discussed the evaluation criteria and analyzed performance over the past year as it relates to CFO Rees And Township Clerk/Administrator Bobrowski.

MOTION TO ADJOURN
Comm. Kiernan made a motion, seconded by Comm. Pfefferle to adjourn at 9:45 PM.
Roll Call: Aye: Plumer, Pfefferle, Kiernan
Nay: None
Abstain: None

Motion Carried

Meeting Adjourned at 9:54 PM.

Respectfully Submitted:
Michele Bobrowski, CMC/RMC
Township Clerk

I hereby certify that I have reviewed these Minutes of the Township Committee Meeting of February 10, 2021 and certify that said Minutes were approved by the Township Committee on the 10th day of March 2021.

_____
Gabe Plumer, Mayor